

### **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application.

### **Listing of Claims:**

1. (currently amended) A computer-implemented method for developing a reusable Enterprise JavaBean (EJB) component, comprising the steps of:

(a) analyzing a business domain to determine functional requirements of said business domain, wherein the functional requirements comprise a list of inputs for said business domain;

(b) transforming said functional requirements into an EJB-object oriented component model, wherein said functional requirements include a data model and a process model of said business domain, and the object oriented component model encapsulates the data model and process model; and

(c) building said reusable an EJB component in accordance with said object oriented EJB component model that encompasses the a business functionality of said business domain.

2. (original) The method of claim 1, further comprising the steps of: modifying said functional requirements by a user; and repeating the steps (b) and (c) to provide a parallel development process.

3. (currently amended) The method of claim 1, wherein said EJB-reusable components are is extensible and configurable.

4-5. (canceled)

6. (currently amended) The method of claim 1, wherein the step of analyzing includes the step of generating a the list of inputs, each input identifying a resource that relates to said business domain.

7. (currently amended) The method of claim 6, further comprising the step of generating an eFunction matrix from said list of inputs.

8. (currently amended) The method of claim 1, wherein the step of transforming transforms said functional requirements using a unified modeling language (UML) tool to generate said EJB-object oriented component model.

9. (currently amended) The method of claim 8, wherein said EJB-object oriented component model includes a plurality of EJB-classes.

10. (currently amended) The method of claim 9, wherein the step of building builds said EJB-reusable component from at least one of the following class stereotypes: Belonging, Session, Entity, Configurable Entity, Business Policy and Workflow.

11. (currently amended) The method of claim 1, wherein the step of transforming includes the step of mapping eXtensible Markup Language (XML) to said EJB-object oriented component model.

12. (currently amended) The method of claim 1, wherein the step of analyzing includes the step of dividing said business domain into one or more sub-domains and determining functional requirements for each of said one or more sub-domains; and wherein the step of transforming transforms each of said functional requirements for said sub-domains into said EJB-object oriented component model.

13. (original) The method of claim 1, wherein the step of building includes the step of generating relational mappings and deployment descriptors.

14. (currently amended) The method of claim 1, wherein the step of building includes the steps of: generating end-user documentation; developing unit tests to test said EJB-reusable component; and generating a reference implementation of said EJB-reusable component.

15. (currently amended) The method of claim 14, further comprising the step of verifying said end-user documentation to said EJB-reusable component.

16. (currently amended) The method of claim 14, further comprising the step of packaging said ~~EJB-reusable~~ component for deployment with container managed persistence.

17. (currently amended) The method of claim 1, wherein said ~~EJB reusable~~ component is a Smart component having at least one of following Smart feature: SmartKey, SmartHandle and SmartValue.

18. (currently amended) The method of claim ~~16~~ 17, wherein said Smart component is an eBusiness Smart component.

19. (new) A computer readable media having instructions stored thereon that, when executed by a processor, causes the processor to develop a reusable component, the instructions comprising:

(a) analyzing a business domain to determine functional requirements of the business domain, wherein the functional requirements comprise a list of inputs for the business domain;

(b) transforming said functional requirements into an object oriented component model, wherein the functional requirements include a data model and a process model of the business domain, and the object oriented component model encapsulates the data model and process model; and

(c) building the reusable component in accordance with the object oriented component model that encompasses a business functionality of the business domain.

20. (new) The computer readable media of claim 19, wherein the analyzing includes generating the list of inputs, each input identifying a resource that relates to the business domain.

21. (new) The computer readable media of claim 20, further comprising generating an eFunction matrix from the list of inputs.

22. (new) The computer readable media of claim 19, wherein the transforming transforms the functional requirements using an unified modeling language (UML) tool to generate the object oriented component model.

23. (new) The computer readable media of claim 22, wherein the object oriented component model includes a plurality of classes.

24. (new) The computer readable media of claim 23, wherein the building builds the reusable component from at least one of the following class stereotypes: Belonging, Session, Entity, Configurable Entity, Business Policy and Workflow.